

**LIST OF REFERENCES CITED BY APPLICANT**  
(Use several sheets if necessary)

ATTY. DOCKET NO.

6923-118

APPLICATION NO.

To be assigned  
(continuation of U.S.  
Application Serial  
No. 09/332,288)

APPLICANT

Palese *et al.*

FILING DATE

On even date herewith

GROUP

To be assigned

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MM	AA	4,071,618	01/31/78	Konobe et al.	424	89	
	AB	4,659,569	04/21/87	Mitsubishi et al.	424	89	
	AC	5,166,057	11/24/92	Palese et al.	435	69.1	
	AD	5,854,037	12/29/98	Palese et al.	435	172.3	
	AE	5,866,694	02/02/99	Katinger et al.	536	23.1	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AF	EP 0 702 085 A1	03/20/96	Europe				
	AG	EP 0 780 475 A1/B1	06/25/97	Europe				
	AH	JP 59-39831	03/05/84	Japan				
	AI	WO 96/34625 A1	11/07/96	PCT				
	AJ	WO 97/06270 A1	02/20/97	PCT				
	AK	WO 97/12032 A1	04/03/97	PCT				
	AL	WO 98/13501 A2	04/02/98	PCT				
	AM	WO 98/02530 A1	01/22/98	PCT				
	AN	WO 98/53078 A1	11/26/98	PCT				
	AO	WO 99/02657 A1	01/21/99	PCT				
	AP	WO 99/15672 A1	04/01/99	PCT				
	CY	WO 96/10632	4/11/96	PCT				

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AQ	Aoki K et al., "Differential sensitivity of two related viruses, Newcastle disease virus and Sendai virus, to interferon in mouse Had-2 cells selective inhibition of translation of NDV mRNA.", Arch Virol. 1996;141(10):1847-62.
	AR	Baez M et al., "Complete nucleotide sequence of the influenza A/PR/8/34 virus NS gene and comparison with the NS genes of the A/Udm/72 and A/FPV/Rostock/34 strains", Nucleic Acids Res. 1980 Dec 11;8(23):5845-58.
	AS	Beatrice et al., "Immunogenicity in mice of temperature-sensitive mutants of vesicular stomatitis virus: early appearance in bronchial secretions of an interferon-like inhibitor", J Gen Virol. 1980; 47:529-533.
↓	AT	Belardelli F and Gresser I, "The neglected role of type I interferon in the T-cell response: implications for its clinical use", Immunol Today. 1996 Aug;17(8):369-72.

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MM	AU	Buonagurio DA et al., "Evolution of human influenza A viruses over 50 years: rapid, uniform rate of change in NS gene", Science. 1986 May 23;232(4753):980-2.
	AV	Butterfield et al., "Vaccination for fowl plague", Am J Vet Res. 1978 Apr; 39(4):671-674.
	AW	Chen Z et al., "Influenza A virus NS1 protein targets poly(A)-binding protein II of the cellular 3'-end processing machinery", EMBO J. 1999 Apr 15;18(8):2273-83.
	AX	Crowe JE, "Immune responses of infants to infection with respiratory viruses and live attenuated respiratory virus candidate vaccines", Vaccine. 1998 Aug; 16(14/15):1423-1432.
	AY	de la Luna S et al., "Influenza virus NS1 protein enhances the rate of translation initiation of viral mRNAs", J Virol. 1995 Apr;69(4):2427-33.
	AZ	Desmyter J et al., "Defectiveness of interferon production and of rubella virus interference in a line of African green monkey kidney cells (Vero)", J Virol. 1968 Oct;2(10):955-61.
	BA	Diaz MO et al., "Homozygous deletion of the alpha- and beta 1-interferon genes in human leukemia and derived cell lines", Proc Natl Acad Sci U S A. 1988 Jul;85(14):5259-63.
	BB	Durbin JE et al., "Targeted disruption of the mouse Stat1 gene results in compromised innate immunity to viral disease", Cell. 1996 Feb 9;84(3):443-50.
	BC	Egorov A et al., "Transfectant influenza A viruses with long deletions in the NS1 protein grow efficiently in Vero cells", J Virol. 1998 Aug;72(8):6437-41.
	BD	Egorov AY et al., "Generation of influenza A transfectant viruses containing deletions of the carboxyl-terminal part of the NS1 protein", in <u>Emergence and Re-emergence of Negative Strand Viruses, Tenth International Conference on Negative Strand Viruses</u> . 1997, Dublin, Ireland. Abstract No. 108, p. 104.
	BE	Egorov Alu et al., "[The NS gene--a possible determinant of apathogenicity of a cold-adapted donor of attenuation A /Leningrad/134/47/57 and its reassortants]", Vopr Virusol. 1994 Sep-Oct;39(5):201-5. Russian.
	BF	Enami M and Palese P, "High-efficiency formation of influenza virus transfectants", J Virol. 1991 May;65(5):2711-3.
	BG	Enami M et al., "An influenza virus containing nine different RNA segments", Virology. 1991 Nov;185(1):291-8.
	BH	Enami K et al., "Influenza virus NS1 protein stimulates translation of the M1 protein", J Virol. 1994 Mar;68(3):1432-7.
	BI	Fodor E et al., "Attenuation of influenza A virus mRNA levels by promoter mutations", J Virol. 1998 Aug;72(8):6283-90.
	BJ	Fortes P et al., "Influenza virus NS1 protein inhibits pre-mRNA splicing and blocks mRNA nucleocytoplasmic transport", EMBO J. 1994 Feb 1;13(3):704-12.
	BK	Garcia-Sastre A et al., "Influenza A virus lacking the NS1 gene replicates in interferon-deficient systems", Virology. 1998 Dec 20;252(2):324-30.
	BL	Garcia-Sastre A et al., "The role of interferon in influenza virus tissue tropism", J Virol. 1998 Nov;72(11):8550-8.
	BM	Goodpasture et al. "The cultivation of vaccine and other viruses in the chorioallantoic membrane of chick embryos", Science. 1934; 74(1919):371-372.
	BN	Haller O et al., "Genetic resistance to influenza virus in wild mice", Curr Top Microbiol Immunol. 1986;127:331-7.
	BO	Haller O et al., "Host gene influences sensitivity to interferon action selectively for influenza virus", Nature. 1980 Feb 14;283(5748):660-2.
	BP	Haller O., "Inborn resistance of ice to orthomyxoviruses", Curr Top Microbiol Immunol. 1981;92:25-52.
↓	BQ	Hatada E et al., "Binding of influenza A virus NS1 protein to dsRNA in vitro", J Gen Virol. 1992 Dec;73 ( Pt 12):3325-9.

MM	BR	Krug and Soeiro, 1975, "Studies on the intranuclear localization of influenza virus-specific proteins", <i>Virology</i> 64: 378-87.
	BS	Krug, 1995, "Chapter 8. Unique Functions of the NS1 Protein" in <u>Textbook of Influenza</u> , Nicholson et al. (eds.), pp. 82-92.
	BT	Li X and Palese P, "Characterization of the polyadenylation signal of influenza virus RNA", <i>J Virol.</i> 1994 Feb;68(2):1245-9.
	BU	Li X and Palese P, "Mutational analysis of the promoter required for influenza virus virion RNA synthesis", <i>J Virol.</i> 1992 Jul;66(7):4331-8.
	BV	Lu Y et al., "The influenza virus NS1 protein: a novel inhibitor of pre-mRNA splicing", <i>Genes Dev.</i> 1994 Aug 1;8(15):1817-28.
	BW	Lu Y et al., "Binding of the influenza virus NS1 protein to double-stranded RNA inhibits the activation of the protein kinase that phosphorylates the eIF-2 translation initiation factor", <i>Virology.</i> 1995 Dec 1;214(1):222-8.
	BX	Luo GX et al., "The polyadenylation signal of influenza virus RNA involves a stretch of uridines followed by the RNA duplex of the panhandle structure", <i>J Virol.</i> 1991 Jun;65(6):2861-7.
	BY	Luytjes W et al., "Amplification, expression, and packaging of foreign gene by influenza virus", <i>Cell.</i> 1989 Dec 22;59(6):1107-13.
	BZ	Marion RM et al., "The N-terminal half of influenza virus NS1 protein is fully active both in mRNA nuclear retention and enhancement of translation", in <u>Emergence and Re-emergence of Negative Strand Viruses, Tenth International Conference on Negative Strand Viruses.</u> 1997, Dublin, Ireland. Abstract No. 240, p. 170.
	CA	Marion RM et al., "The N-terminal half of the influenza virus NS1 protein is sufficient for nuclear retention of mRNA and enhancement of viral mRNA translation", <i>Nucleic Acids Res.</i> 1997 Nov 1;25(21):4271-7.
	CB	Meraz MA et al., "Targeted disruption of the Stat1 gene in mice reveals unexpected physiologic specificity in the JAK-STAT signaling pathway", <i>Cell.</i> 1996 Feb 9;84(3):431-42.
	CC	Mosca JD et al., "Transcriptional and posttranscriptional regulation of exogenous human beta interferon gene in simian cells defective in interferon synthesis", <i>Mol Cell Biol.</i> 1986 Jun;6(6):2279-83.
	CD	Murphy B.R. and R.G. Webster, 1996, "Orthomyxoviruses" in <u>Fields Virology</u> , Lippincott-Raven P.A., pp. 1397-1445.
	CE	Muster T et al., "An influenza A virus containing influenza B virus 5' and 3' noncoding regions on the neuraminidase gene is attenuated in mice", <i>Proc Natl Acad Sci U S A.</i> 1991 Jun 15;88(12):5177-81.
	CF	Nemeroff ME et al., "Influenza virus NS1 protein interacts with the cellular 30 kDa subunit of CPSF and inhibits 3' end formation of cellular pre-mRNAs", <i>Mol Cell.</i> 1998 Jun;1(7):991-1000.
	CG	Nemeroff ME et al., "Unique interactions of the influenza virus NS 1 protein with host cell nuclear functions", in <u>Emergence and Re-emergence of Negative Strand Viruses, Tenth International Conference on Negative Strand Viruses.</u> 1997, Dublin, Ireland. Abstract No. 229, p. 164.
	CH	Norton GP et al., "Infectious influenza A and B virus variants with long carboxyl terminal deletions in the NS1 polypeptides", <i>Virology.</i> 1987 Feb;156(2):204-13.
	CI	Park YW and Katze MG, "Translational control by influenza virus. Identification of cis-acting sequences and trans-acting factors which may regulate selective viral mRNA translation", <i>J Biol Chem.</i> 1995 Nov 24;270(47):28433-9.
	CJ	Parvin JD et al., "Nonsense mutations affecting the lengths of the NS1 nonstructural proteins of influenza A virus isolates", <i>Virology.</i> 1983 Jul 30;128(2):512-7.
▼	CK	Perry MM and Sang HM, "Transgenesis in chickens", <i>Transgenic Res.</i> 1993 May;2(3):125-33.

MM	CL	Piccone ME et al., "Mutational analysis of the influenza virus vRNA promoter", Virus Res. 1993 May;28(2):99-112.
	CM	Pleschka S et al., "A plasmid-based reverse genetics system for influenza A virus", J Virol. 1996 Jun;70(6):4188-92.
	CN	Qin XQ et al., "Interferon-beta gene therapy inhibits tumor formation and causes regression of established tumors in immune-deficient mice", Proc Natl Acad Sci U S A. 1998 Nov 24;95(24):14411-6.
	CO	Qiu Y and Krug RM, "The influenza virus NS1 protein is a poly(A)-binding protein that inhibits nuclear export of mRNAs containing poly(A)", J Virol. 1994 Apr;68(4):2425-32.
	CP	Qiu Y et al., "The influenza virus NS1 protein binds to a specific region in human U6 snRNA and inhibits U6-U2 and U6-U4 snRNA interactions during splicing", RNA. 1995 May;1(3):304-16.
	CQ	Sang H., "Transgenic chickens--methods and potential applications", Trends Biotechnol. 1994 Oct;12(10):415-20.
	CR	Sekellick MJ et al., "Interferon induction by viruses. XIV. Development of interferon inducibility and its inhibition in chick embryo cells "aged" in vitro", J Interferon Res. 1985 Fall;5(4):651-67.
	CS	Sekellick MJ et al., "Development of the interferon system. I. In chicken cells development in ovo continues on time in vitro", In Vitro Cell Dev Biol. 1990 Oct;26(10):997-1003.
	CT	Shaw et al., 1996, "Nucleocapsid protein alone is sufficient for the generation of influenza transfectants" in <u>Options for the Control of Influenza III</u> , Brown (eds.), Hampson Webster (Elsevier Science) pp. 433-436.
	CU	Shuman RM., "Production of transgenic birds", Experientia. 1991 Sep 15;47(9):897-905.
	CV	Stern CD., "Chick stem cells", Curr Top Microbiol Immunol. 1996;212:195-206.
	CW	Tobita K et al., "Nucleotide sequence and some biological properties of the NS gene of a newly isolated influenza B virus mutant which has a long carboxyl terminal deletion in the NS1 protein", Virology. 1990 Jan;174(1):314-9.
	CX	Weaver BK et al., "Interferon regulatory factor 3 and CREB-binding protein/p300 are subunits of double-stranded RNA-activated transcription factor DRAFI", Mol Cell Biol. 1998 Mar;18(3):1359-68.
	CZ	Kattinger et al., 1997, "Attenuated Influenza Virus as a Vector for Mucosal Immunization Against HIV-1", Vaccine 315-319
	DA	Maassab and DeBorde , 1983, "Characterization of an Influenza A Host Range Mutant", Virology 130:342-350
	DB	Snyder et al., 1990, "A 36 Nucleotide Deletion Mutation in the Coding Region of the SN1 Gene of an Influenza A Virus RNA Segment 8 Specifies a Temperature-Dependent Host Range Phenotype", Virus Research 15:69-84
	DC	Egorov et al., 1997, "Generation of Influenza A Transfectant Viruses Containing Deletions in the NS1 Protein", Institute of Applied Microbiology", in Emergence and Re-emergence of Negative Strand Viruses, Tenth International Conference on Negative Strand Viruses. September 21-26, Dublin, Ireland.
	DD	Lucas WT, et al., 1988, "Characterization of a unique protein produced by influenza A virus recovered from a long-term persistent infection." Virology. 166(2):620-3. (Abstract only cited)
	DE	Hamzawi et al., 1981, "Antigenicity in hamsters of inactivated vaccines prepared from recombinant influenza viruses." J Hyg (Lond). 87(3):453-64. (Abstract only cited)
↓	DF	Krystal M, et al., 1983, "Sequential mutations in the NS genes of influenza virus field strains." J Virol 45(2):547-54. (Abstract only cited)

EXAMINER

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.